

# MATERIAL SAFETY DATA SHEET

Calcium Hydroxide Powder

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Calcium Hydroxide Powder  
Product Code: 144-90-01  
Material Uses:  
Manufacturer: OFI Testing Equipment, Inc.  
11302 Steeplecrest Drive  
Houston, TX 77065 USA  
Phone: (713) 880-9885  
Fax: (713) 880-9886  
Entry Date : 5/5/2010  
Print Date: 7/28/2010  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	3			
Flammability:	0			
Reactivity:	0			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4
NA = Not Applicable		NE = Not Established		

## SECTION 2 HAZARD IDENTIFICATION

Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Emergency Overview: Danger! Harmful if swallowed or inhaled. Causes burns to skin and eyes. Causes severe irritation to respiratory tract.

Inhalation: Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath.

Can cause chemical bronchitis.

Ingestion: Gastric irritant. Ingestion may be followed by severe pain, vomiting, diarrhea, and collapse. If

death does not occur in 24 hours, esophageal perforation may occur, as evidenced by fall in blood pressure and severe pain. A narrowing of the esophagus may occur weeks, months, or years after ingestion, making swallowing difficult.

Skin: Corrosive. May cause severe burns and blistering, depending on duration of contact.

Eye Contact: Corrosive. May produce severe irritation and pain. May induce ulcerations of the corneal epithelium. Can cause blindness.

Chronic Exposure: Prolonged or repeated skin contact may produce severe irritation or dermatitis.

Aggravated by Exposure Persons with pre-existing skin problems or impaired respiratory function may be more susceptible to the effects of this substance

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Calcium Hydroxide	CAS# 1305-62-0	100%	W/W	OSHA TWA 5 mg/m <sup>3</sup>

## SECTION 4 FIRST AID MEASURES

Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: CALL A PHYSICIAN. SKIN: In case of contact, immediately flush skin

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with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

### SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire  
Fire / Explosion Hazards: None Known.  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Carefully pick up solid with minimum of dusting and collect in metal container with covers with disposal. The trace amount of residue can be flushed down drain.

### SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Store away from acids.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Dust mask recommended.  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: Wear appropriate gloves to prevent skin exposure  
Eye Protection: Safety Glasses w/  
Side Shields  
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	580 Deg C	Percent Volatile by Volume:	0%
Boiling Point:	Decomposes	Evaporation Rate	Not applicable
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	0.185 g in 100 mL water	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	White powder, odorless	Upper Flamm. Limit in Air	Not applicable
Flash Point:	Not		

Calcium Hydroxide Powder

Flammable

Specific Gravity: 2.2-2.6

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: Avoid contact with incompatible materials.  
Materials to Avoid: Boric oxide, acids, fluorine, and many organic materials.  
Hazardous Decomposition Products: Not known to occur  
Hazardous polymerization: Will Not Occur  
Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

**SECTION 12 Ecological Information**

**SECTION 13 Disposal Considerations**

**SECTION 14 Transport Information**

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

**SECTION 15 Regulatory Information**

Chemical Inventory Status –  
Part 1:Ingredient TSCA EC Japan Australia  
Calcium Hydroxide (1305-62-0)Yes Yes Yes Yes

Chemical Inventory Status –  
Part 2:Ingredient Korea DSL NDSL Phil.  
Calcium Hydroxide (1305-62-0)Yes Yes NO Yes

Federal, State & International Regulations –  
Part 1: Ingredient RQ TPQ List Chemical Catg.  
Calcium Hydroxide (1305-62-0)NO NO NO NO

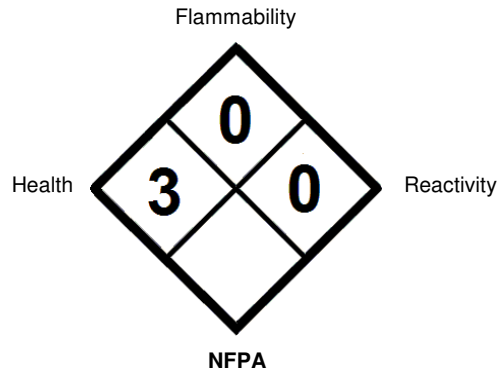
Federal, State &  
International Regulations –  
Part 2:Ingredient CERCLA 261.33 8(d)  
Calcium Hydroxide (1305-62-0)

TSCA 12 (b):No  
CDTA:No  
SARA 311/312: Acute: Yes Chronic: Yes  
Fire: NO Pressure: No  
Reactivity: No PURE/SOLID)  
Australian Hazchem NONE ALLOCATED  
Poison Schedule:NONE ALLOCATED

**SECTION 16 Additional Information**

Conditions aggravated/Target organs: Persons with pre-existing eye, skin, respiratory disorders are more susceptible. Contact with eyes may cause irritation and possible corrosion damage. Target organs: Lungs. No chronic effects known.

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Revisions

7/26/2010	0.1	updated msds to 16 section from 10 section msds. STN
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